

D-Vine®

Cholecalciferol USP



Presentation

D-Vine® Capsule 40,000 IU: Each capsule contains Cholecalciferol USP 40,000 IU (as Vitamin-D₃).

D-Vine® Capsule 20,000 IU: Each capsule contains Cholecalciferol USP 20,000 IU (as Vitamin-D₃).

Description

Cholecalciferol, synthetic form of Vitamin-D which is essential for normal bone growth and development and to maintain bone density. It is also necessary for utilization of both calcium and Phosphorus. Babies need Vitamin-D₃ for healthy growth & development. It acts as a hormone.

Indication

It is indicated for the prevention and treatment of Vitamin-D deficiencies, osteoporosis, osteomalacia, hypocalcaemia, tetany and rickets.

Dosage and administration

Adults:

Treatment of Vitamin-D₃ (Cholecalciferol) deficiency

40,000 IU per week for 7 weeks, followed by maintenance therapy (1400-2000 IU/day).

Follow-up 25 (OH)D measurement should be made approximately 3 to 4 months after initiating maintenance therapy to confirm that the target level has been achieved.

Prevention of Vitamin-D₃ deficiency

20,000 IU/Month

Children:

Treatment of Vitamin-D₃ deficiency

12-18 years: 20,000 IU once every 2 weeks for 6 weeks

Prevention of Vitamin-D₃ deficiency

12-18 years: 20,000 IU once every 6 weeks

Side effects

Individual tolerance to Vitamin-D₃ varies considerably. Infants and children are generally more susceptible to its toxic effects. Excessive administration of this drugs may lead to hypercalcaemia and hypervitaminosis. Hypervitaminosis is characterized by fatigue, loss of appetite, headache and slimaning, retardation of growth, nausea, vomiting, excess of urine, intense thirst and arterial hypertension.

Contraindication

It should not be administered in case of Hypercalcaemia, Hypervitaminosis D, Nephrolithiasis and in patients who are hypersensitive to any components.

Precautions

If high or repeated doses of Vitamin-D₃ are administered or if high doses of calcium are

associated, it is necessary to monitor calcium and Vitamin-D levels in blood and urines. Cholecalciferol should be used with caution in patients with impairment of renal function and the effect on calcium and phosphate levels should be monitored. Medical supervision is required whilst on treatment to prevent hypercalcaemia.

Pregnancy and Lactation

It can be prescribed during pregnancy and lactation if necessary or as directed by the physician. Cholecalciferol and its metabolites are excreted in breast milk. Overdose in infants induced by nursing mother has not been observed, however, when prescribing Cholecalciferol to a breast-fed child the practitioner should consider the dose of any additional Cholecalciferol given to the mother.

Drug Interaction

Vitamin-D₃ interact with antacids, carbamazepine, dactinomycin, miconazole, phenytoin, phenobarbital, cholestyramine, cholestipol, digoxin, thiazide diuretics. Many drugs cause Vitamin-D₃ deficiencies because they interfere with the absorption and metabolism of Vitamin-D₃ and includes cholestyramine, cholistipol, phenytoin, phenobarbital, orlistat and mineral oil. Also, corticosteroids, such as prednisolone increase the need for Vitamin-D₃.

Overdosage

Acute symptoms: anorexia, headache, vomiting, constipation.

Chronic symptoms: dystrophy (weakness, loss of weight), sensory disturbance, possibly fever with thirst, polyuria, dehydration, apathy, arrested growth and urinary tract infection

Commercial Pack

D-Vine® Capsule 40,000 IU: Each box contains 2x10's capsules in Alu-Alu blister pack.

D-Vine® Capsule 20,000 IU: Each box contains 2x10's capsules in Alu-Alu blister pack.

Storage

Store at temperature not exceeding 30 °C in a dry place. Protect from light and moisture.

Medicine: Keep out of reach of children



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SAP Code